

L1 ANSWER 19 OF 301 CA COPYRIGHT 2006 ACS on STN
 AN 142:200601 CA
 ED Entered STN: 03 Mar 2005
 TI Method and device for capturing melting flying ash
 IN Kiribayashi, Toshimitsu; Ozawa, Saburo; Hashimoto, Eihiro; Yamada, Mitsuo;
 Iwami, Tsuneo
 PA Kyowa Exeo Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM B01D046-02
 ICS B01D053-50; B01D053-68; B01D053-81
 CC 47-2 (Apparatus and Plant Equipment)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005034695	A2	20050210	JP 2003-197704	20030716
PRAI	JP 2003-197704		20030716		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 2005034695	ICM	B01D046-02
	ICS	B01D053-50; B01D053-68; B01D053-81
	IPCI	B01D0046-02 [ICM,7]; B01D0053-50 [ICS,7]; B01D0053-68 [ICS,7]; B01D0053-81 [ICS,7]
	FTERM	4D002/AA02; 4D002/AA19; 4D002/AB01; 4D002/AC10; 4D002/BA03; 4D002/BA14; 4D002/CA11; 4D002/CA13; 4D002/DA05; 4D002/DA12; 4D002/EA02; 4D002/GA01; 4D002/GB01; 4D002/GB06; 4D002/GB12; 4D002/HA06; 4D058/JA04; 4D058/MA54; 4D058/NA10; 4D058/SA20; 4D058/TA02; 4D058/UA03; 4D058/UA10
AB	The method is characterized by being able to eliminate the filter clogging using reversed washing. <u>The fly ash, with an average particle size of 3.5-7.5 μm, from the waste gas of a combustion furnace is removed by using a bag filter.</u> The gas flow rate is controlled at 0.4-0.7 m/min. Slaked lime of 1.5-2 times of the acid gas in the waste gas is added to the gas flow before the bag filter for neutralization.	
ST	device capturing melting flying ash bag filter reversed washing	
IT	Filters (bags; capturing melting flying ash from waste gas using	

→ teach Fly ash
 from a combustion furnace
 has particle size 3.5-7.5 μ m
 well within applicant's claimed range
 of up to 10 μ m.

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L4 ANSWER 60 OF 321 CA COPYRIGHT 2004 ACS on STN
 AN 136:41617 CA
 ED Entered STN: 10 Jan 2002
 TI Light-insulating mortar compositions containing cement,
 fly ash, alumina, swelling agent and set
 accelerator for improved setting rate, curing and reduced shrinkage
 IN Na, Jong Yool; Kim, Sung Wan; Yoon, Sang Chun; Lee, Dae Woo; Kang, Il
 Kyung; Shin, Il Seop
 PA Hyundai Construction Co., Ltd., S. Korea; Korea National Housing
 Corporation; Kumkang Korea Chemical Co., Ltd.
 SO Repub. Korean Kongkae Taeho Kongbo, No pp. given
 CODEN: KRXXA7
 DT Patent
 LA Korean
 IC ICM C04B018-10
 ICS C04B022-04
 CC 58-3 (Cement, Concrete, and Related Building Materials)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	KR 2000014685	A	20000315	KR 1998-34228	19980824
PRAI	KR 1998-34228		19980824		

AB Light-insulating mortar compns. with improved setting rate, d., curing
 properties and shrinkage resistance are prepd. The insulating mortar
 compns. consist of 50-70 wt.% cement, 30-50 wt.% fly
 ash, 1-10 wt.% swelling agent, 0.01-0.5 wt.% alumina,
 0.1-0.8 wt.% set-accelerator (sodium carbonate), and 0.01-0.1 wt.%
 cellulose ester. The swelling agent is a mixt. of calcium sulfoaluminate
 and calcium sulfate or calcium oxide, a mixt. of alumina
 cement and gypsum, a mixt. of calcium aluminate and
 calcium sulfate and/or a mixt. of calcia and magnesia.
 ST light insulating mortar compn setting rate curing shrinkage;
 cement flyash swelling agent alumina set accelerator
 mortar compn